[21st February 1934

Appendix VIII.

[Vide item V—Papers laid on the table of the House, at page 102 supra.]

G.O. No. 61 I., dated 6th January 1934.

Read—the following paper :—

Reference from the Irrigation Development Board, dated 23rd November 1933, *No. I.D.B.*-375/33-2.

The Hon'ble Mr. C. A. Souter, C.S.I., I.C.S.,
President.

Read—the following :—

(1)

Letter from M.R.Ry. Diwan Bahadur N. Swaminatha Ayyar Avargal, B.A., B.E., Chief Engineer for Irrigation, to the Secretary to Government, Public Works and Labour Department, through the Irrigation Development Board, dated 11th October 1933, No. 764/32-C-3.

In October 1928, the Government approved the proposals of the Chief Engineer for Irrigation to gauge the Nagaleru stream in the Guntur district to find out whether sufficient water was available for a reservoir across the stream. The necessary establishment and expenditure were also sanctioned. The gaugings of the Nagaleru were taken during the years 1929, 1930 and 1931, and the Superintending Engineer has submitted a report on the results of the gauging observations taken. The gauge readings have been examined, and the discharges worked out for the three years are tabulated below :—

Month.	1929. M. C.FT.	1930. M. C.FT.	1931. M. C.FT.
June	15·22	Not gauged.	41
July	3·15	Nil.	Nil.
August	10·36	10·61	5·08
September	12·83	28·58	309·30
October	162·05	53·99	163·79
November	Nil.	36·68	133·08
December	Nil.	Nil.	Nil.
Total ..	203·61 or 204	129·86 or 130	652·25 or 652

As regards the run-off due to the rainfall in the catchment, the Superintending Engineer states that the catchment is surrounded by a range of hills with a low basin of about 40 square miles at the centre, though the total catchment is 92 square miles. Hence taking the rainfall at Mellavagu (Reddipalem) station alone as representing the rainfall in the catchment, the yield from the catchment has been worked out as follows :—

Year.	Rainfall at Reddipalem.	Catchment 92 square miles average.	Catchment 40 square miles average.	Discharge as gauged.	Remarks.
1930	16·62″	316	138	130	Rainfall observation was not made in 1929.
1931	34·49	1,687	734	652	

The actual gauged discharge nearly tallies with the yield from the effective catchment of 40 square miles.

21st February 1934]

As regards the feasibility of the project, the Superintending Engineer reports that, in a year of average rainfall, 200 to 300 millions cubic feet will be available for storage. Taking the storage as 250 millions cubic feet on an average, this storage will irrigate about 1,250 acres. The Executive Engineer has worked out a return of 1·7 per cent at Rs. 5 per acre, for approximate cost of Rs. 3·75 lakhs.

The Superintending Engineer is therefore of the opinion that a scheme for a reservoir of 250 millions cubic feet capacity will be an unpromising one and hence recommends that the scheme may be dropped. I am also against proceeding with schemes which have not got a good source of water-supply. Already there are several instances of projects which have failed to fulfil the original anticipations owing to poor water-supply, and in all such cases, it is also seen that the work is not useful at all as a protection against famine, since it is only in such years of famine, the work also fails badly. The scheme is therefore recommended to be dropped.

(2)

Reference from the Board of Revenue (Land Revenue and Settlement), dated 10th November 1933, Ref. H. No. 6650/33-1.

[Reference from the Irrigation Development Board, dated 25th October 1933, No. 375/33-1.]

The Board supports the Chief Engineer's proposal that the scheme may be dropped.

M. K. VELLODI,
Joint Secretary.

To the Irrigation Development Board.

Reference—I.D.B. No. 375/33-2, *dated* 23*rd November* 1933.

Submitted to the Government.

2. The Irrigation Development Board agrees with the Chief Engineer for Irrigation and the Board of Revenue and recommends that the scheme be dropped.

M. K. VELLODI,
Secretary.

To the Secretary to Government, Public Works and Labour Department.

Order—No. 61 I., dated 6th January 1934.

The Government agree with the Irrigation Development Board that the Mellavagu project, Guntur district, may be abandoned.

(By order of the Governor in Council)

N. GOPALASWAMI,
Secretary to Government.

To the Irrigation Development Board.
" Chief Engineer for Irrigation.
" Board of Revenue.
" Secretary, Legislative Council, with 175 copies of the Government Order (to be placed on the table).